FIG. 1

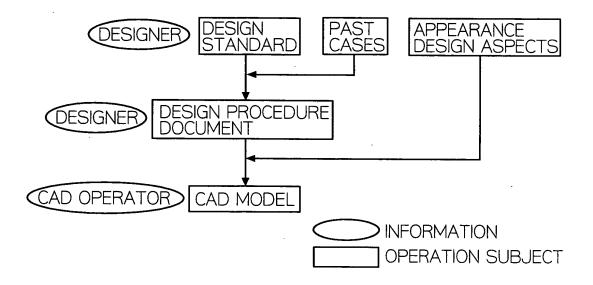


FIG. 2

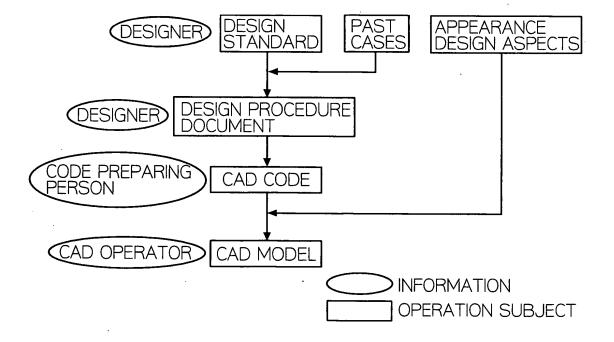


FIG. 3

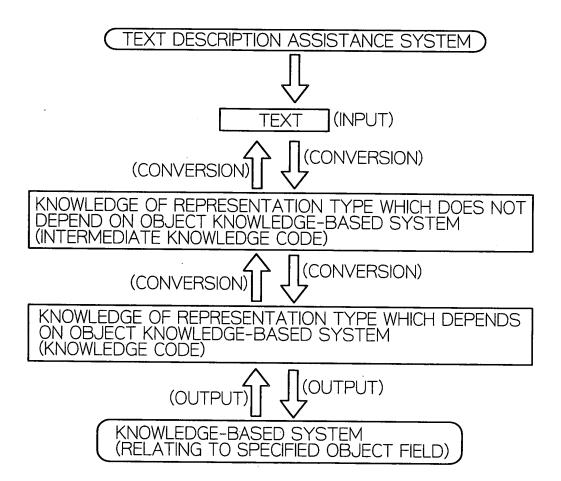


FIG. 4

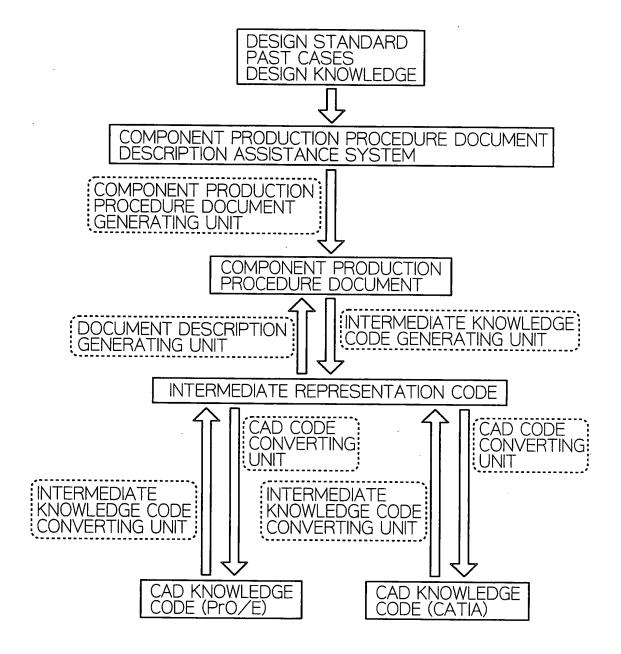


FIG. 5

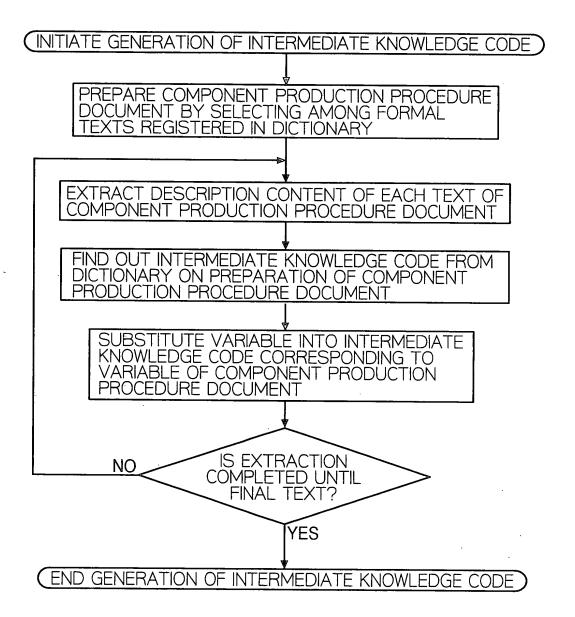


FIG. 6

COMPONENT PRODUCTION PROCEDURE DOCUMENT	CREATE AN OFFSET PLANE 5 mm ABOVE TOP-SURFACE OF BOX		
SELECTION OF INTERMEDIATE KNOWLEDGE CODE GENERATING RULES	CONDITION: CREATE AN OFFSET PLANE IN <value>mm<direction> FROM <plane></plane></direction></value>		
	CONCLUSION: (#create_offsetplane((#Object <plane>) (#direction<drection>)(#distance<value>)))</value></drection></plane>		
GENERATION OF INTERMEDIATE KNOWLEDGE CODE	(#create_offsetplane((#object TOP-SURFACE OF BOX) (#direction ABOVE)(#distance 5)))		

FIG. 7

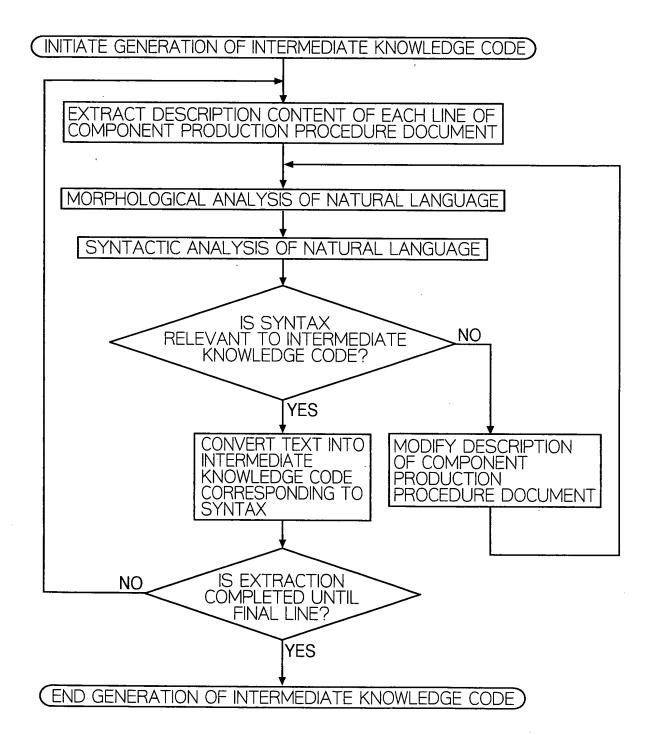


FIG. 8

COMPONENT PRODUCTION PROCEDURE DOCUMENT	CREATE AN OFFSET PLANE 5 mm ABOVE TOP-SURFACE OF BOX			
MORPHOLOGICAL ANALYSIS	create VB Verb, base form an DT Determiner offset JJ Adjective plane NN Noun, singular or mass 5 CD Cardinal number mm SYM Symbol above RB Adverb top-surface NN Noun, singular or mass of IN Preposition/subord. conjunction box NN Noun, singular or mass			
SELECTION OF INTERMEDIATE KNOWLEDGE CODE GENERATING RULES	CONDITION: CREATE AN OFFSET PLANE IN			
GENERATION OF INTERMEDIATE KNOWLEDGE CODE	(#create_offsetplane ((#object TOP-SURFACE OF BOX) (#direction ABOVE) (#distance 5)))			

FIG. 9

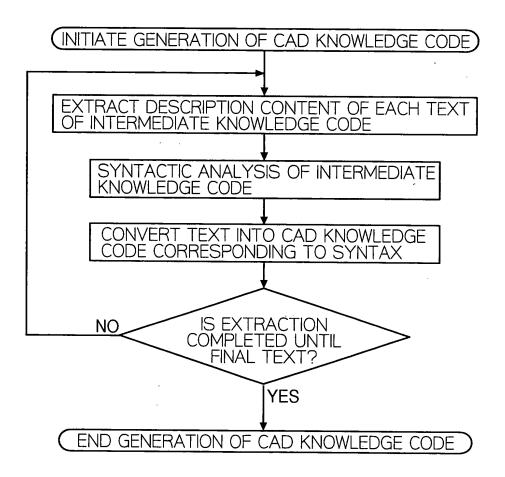


FIG. 10

INTERMEDIATE KNOWLEDGE CODE	(#create_offsetplane ((#object TOP-SURFACE OF BOX) (#direction Upward) (#distance 5)))			
SELECTION OF CAD KNOWLEDGE CODE GENERATION RULES	CONDITION: (#create_offsetplane ((#Object <plane>) (#direction <drection>)(#distance<value>))) CONCLUSION: Dim?parameter As Parameters Set?parameter=&amp;part.Item("#object") Dim?offsetplane As HybridShapePlaneOffset Set ?offsetplane = &amp;factory.AddNewPlaneOffset(?parameter, #distance, #direction)</value></drection></plane>			
GENERATION OF CAD KNOWLEDGE CODE	Dim hybridShapeSurfaceExplicit1 As Parameters Set hybridShapeSurfaceExplicit1=part1.ltem("A1") Dim hybridShapePlaneOffset1 As HybridShapePlaneOffset Set hybridShapePlaneOffset1 = factory1.AddNewPlaneOffset(hybridShapeSurfaceEx plicit1,5,False)			

FIG. 11

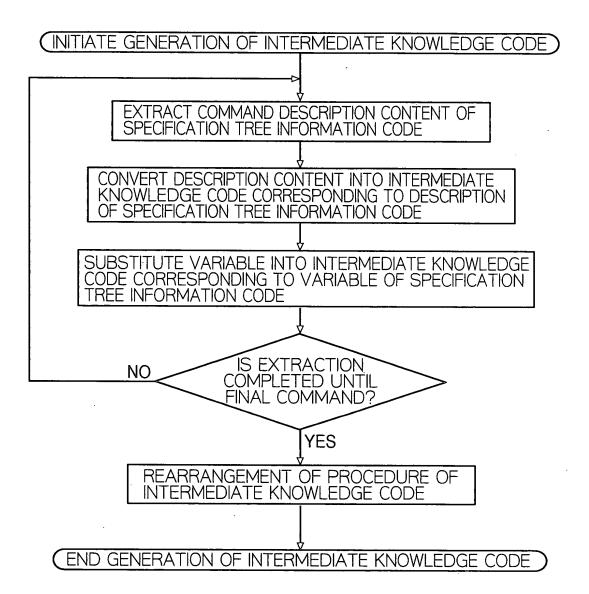


FIG. 12

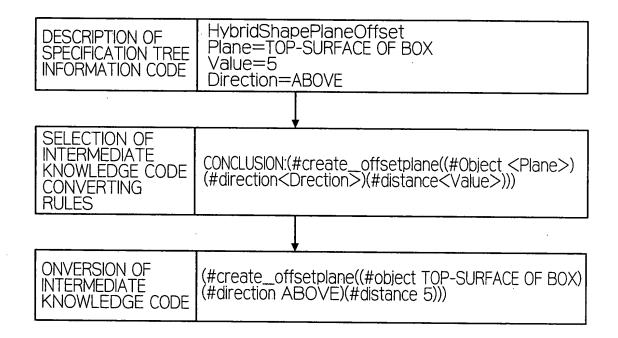


FIG. 13

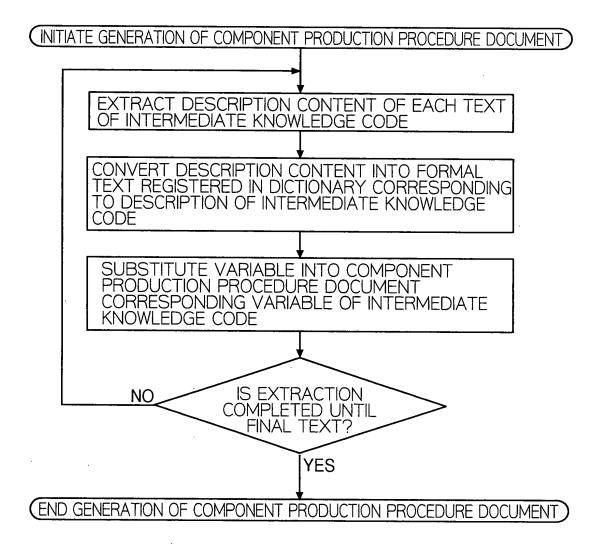


FIG. 14

DESCRIPTION OF INTERMEDIATE KNOWLEDGE CODE	(#create_offsetplane((#object TOP-SURFACE OF BOX) (#direction ABOVE)(#distance 5)))			
$\nabla$				
SELECTION OF INTERMEDIATE KNOWLEDGE CODE CONVERTING RULES	CONCLUSION: (#create_offsetplane((#Object <plane>) (#direction<drection>)(#distance<value>)))</value></drection></plane>			
	CONDITION: CREATE AN OFFSET PLANE IN <value>mm<direction> FROM <plane></plane></direction></value>			
COMPONENT PRODUCTION PROCEDURE DOCUMENT	CREATE AN OFFSET PLANE 5 mm ABOVE TOP-SURFACE OF BOX			

FIG. 15

